

Conference Proposals

The contributions will consist of 10-minute oral presentations or posters. Conference proposals must include the names of the authors and their affiliation, a title and an abstract (not exceeding 2000 characters, including bibliography). They must be submitted via the conference website:

<https://ammacatch-30ans.sciencesconf.org/>

Work language

Oral and poster presentations may be in French or in English.

Conference Paper

If validated by the scientific committee, the complete text of accepted papers (8 to 12 pages) will be published in a special issue of the journal "Annales de l'Université Abdou Moumouni" (in French or in English).

Schedule

Proposal submission deadline:

July 13, 2018

Response of the Scientific Committee:

July 31, 2018

Registration deadline:

October 12, 2018

Conference:

November 12-14, 2018

Scientific Committee

I. Bouzou Moussa (UAM, Niger), chairman

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The AMMA-CATCH observatory invites you to an international conference on the occasion of its 30th anniversary.

Observatories

of the Critical Zone in Africa: Current Issues and Findings

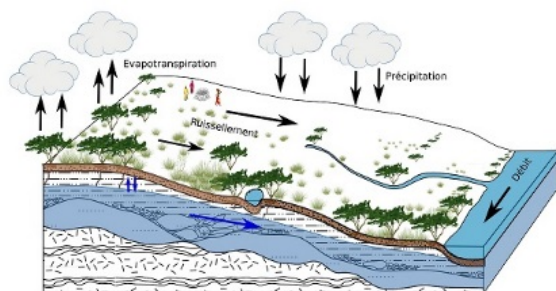
Call for proposals

November 12-14, 2018 - Niamey, Niger



The Critical Zone

The critical zone is the area within which the Earth's water circulates, encompassing aquifers up to the lower atmosphere. Knowledge of it is critical to improving people's livelihoods, especially access to resources, natural hazards management and preservation of the environment.



Conference objectives

Global changes are taking place on our planet. They concern the critical zone of the earth system, and occur at different scales. Their impacts on the energy and water cycles are already detectable, but how will these changes persist in the future and at which rate?

In situ and remote sensing observation networks are crucial to documenting, predicting and anticipating the impacts of these global changes on people's livelihoods.

As a result, they are also major tools for responding to the challenges of adaptation in the face of socio-economic, environmental and climatic changes.

- What are the different observation systems in West Africa?
- How are they used to understand and predict changes in environmental processes and major climate cycles as part of global changes?
- What are their links with the implementation of national and regional development policies and international conventions and agendas?

These are the main questions that will be addressed at this international symposium, organized on the occasion of the 30th anniversary of the AMMA-CATCH observatory. It aims to bring together the actors of in situ and remote sensing observation and development operators disseminate recent results of research in this area, while emphasizing their necessary link with development policies in West Africa.

Expected program

Monday, November 12 10h-17h30

Axis 1: Long-term observation systems of the critical zone in Africa

- Invited conference "Measurement of CO₂ fluxes and carbon budget: state of the art and methodology," Mr. Aubinet (pioneer and specialist in CO₂ measurement networks, Liège University Gembloux, Belgium)

- [Call for papers and posters](#)

Tuesday, November 13 9h-17h30

Axis 2: Observe and model to understand and predict environmental processes and major climate cycles (in situ and remote sensing data).

- Invited conference "Global changes in the intertropical zone: scientific and societal issues," T. Lebel (initiator of long-term environmental monitoring programs in Africa, IGE, France)

- [Call for papers and posters](#)

Wednesday, November 14 9h-12h

Axis 3: What applications for development policies and training?

- Invited conference "Sustainable Management of Water Resources in the Sahel Region, Solutions for Africa's Development," A. Amani (Head of Section, UNESCO International Hydrological Program)

- [Call for papers and posters](#)